Frank Geller

List of Publications by Citations

86 papers	11,345 citations	38 h-index	92 g-index
92 ext. papers	14,007 ext. citations	13.6 avg, IF	4.26 L-index

#	Paper	IF	Citations
86	Genetic studies of body mass index yield new insights for obesity biology. *Nature*, **2015**, 518, 197-206	50.4	2687
85	Defining the role of common variation in the genomic and biological architecture of adult human height. *Nature Genetics*, **2014**, 46, 1173-86	36.3	1339
84	A variant associated with nicotine dependence, lung cancer and peripheral arterial disease. *Nature*, **2008**, 452, 638-642	50.4	1239
83	Common variants on chromosomes 2q35 and 16q12 confer susceptibility to estrogen receptor-positive breast cancer. *Nature Genetics*, **2007**, 39, 865-9	36.3	715
82	Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. *Nature*, **2014**, 514, 92-97	50.4	401
81	Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. *Nature Genetics*, **2010**, 42, 1077-85	36.3	372
80	Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. *Nature Genetics*, **2015**, 47, 1449-1456	36.3	329
79	Increased body-mass index in patients with narcolepsy. *Lancet, The*, **2000**, 355, 1274-5	40	289
78	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. *Nature Genetics*, **2018**, 50, 42-53	36.3	246
77	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS Genetics*, **2015**, 11, e1005378	6	220
76	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. *Human Molecular Genetics*, **2016**, 25, 389-403	5.6	202
75	Genetic Associations with Gestational Duration and Spontaneous Preterm Birth. *New England Journal of Medicine*, **2017**, 377, 1156-1167	59.2	183
74	Melanocortin-4 receptor gene variant I103 is negatively associated with obesity. *American Journal of Human Genetics*, **2004**, 74, 572-81	11	178
73	Melanocortin-4 receptor gene: case-control study and transmission disequilibrium test confirm that functionally relevant mutations are compatible with a major gene effect for extreme obesity. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 4258-67	5.6	169
72	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. *Molecular Psychiatry*, **2015**, 20, 647-656	15.1	167
71	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. *American Journal of Human Genetics*, **2018**, 103, 691-706	11	151
70	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. *JAMA - Journal of the American Medical Association*, **2016**, 315, 1129-40	27.4	149

69	Directional dominance on stature and cognition in diverse human populations. *Nature*, **2015**, 523, 459-462	50.4	119
68	Ghrelin receptor gene: identification of several sequence variants in extremely obese children and adolescents, healthy normal-weight and underweight students, and children with short normal stature. *Journal of Clinical Endocrinology and Metabolism*, **2004**, 89, 157-62	5.6	115
67	Common variants associated with general and MMR vaccine-related febrile seizures. *Nature Genetics*, **2014**, 46, 1274-82	36.3	102
66	Genome-wide association study of offspring birth weight in 86 577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. *Human Molecular Genetics*, **2018**, 27, 742-756	5.6	98
65	Possible genomic imprinting of three human obesity-related genetic loci. *American Journal of Human Genetics*, **2005**, 76, 427-37	11	97
64	Common variants at 12q15 and 12q24 are associated with infant head circumference. *Nature Genetics*, **2012**, 44, 532-538	36.3	94
63	Male-pattern baldness susceptibility locus at 20p11. *Nature Genetics*, **2008**, 40, 1282-4	36.3	93
62	Ghrelin gene: identification of missense variants and a frameshift mutation in extremely obese children and adolescents and healthy normal weight students. *Journal of Clinical Endocrinology and Metabolism*, **2002**, 87, 2716	5.6	86
61	Transmission disequilibrium of polymorphic variants in the tryptophan hydroxylase-2 gene in children and adolescents with obsessive-compulsive disorder. *International Journal of Neuropsychopharmacology*, **2006**, 9, 437-42	5.8	83
60	Genome-wide association analyses identify variants in developmental genes associated with hypospadias. *Nature Genetics*, **2014**, 46, 957-63	36.3	81
59	A novel common variant in DCST2 is associated with length in early life and height in adulthood. *Human Molecular Genetics*, **2015**, 24, 1155-68	5.6	77
58	Six novel susceptibility Loci for early-onset androgenetic alopecia and their unexpected association with common diseases. *PLoS Genetics*, **2012**, 8, e1002746	6	70
57	Genome scan for childhood and adolescent obesity in German families. *Pediatrics*, **2003**, 111, 321-7	7.4	67
56	Prevalence of obesity in adolescent and young adult patients with and without schizophrenia and in relationship to antipsychotic medication. *Journal of Psychiatric Research*, **2001**, 35, 339-45	5.2	62
55	Genome-wide association study of primary tooth eruption identifies pleiotropic loci associated with height and craniofacial distances. *Human Molecular Genetics*, **2013**, 22, 3807-17	5.6	57
54	Independent confirmation of a major locus for obesity on chromosome 10. *Journal of Clinical Endocrinology and Metabolism*, **2000**, 85, 2962-5	5.6	54
53	Genetic variation in the 15q25 nicotinic acetylcholine receptor gene cluster (CHRNA5-CHRNA3-CHRNB4) interacts with maternal self-reported smoking status during pregnancy to influence birth weight. *Human Molecular Genetics*, **2012**, 21, 5344-58	5.6	50
52	Dopamine receptor gene polymorphisms in Parkinson's disease patients reporting "sleep attacks". *Movement Disorders*, **2004**, 19, 1279-84	7	45

51	GWAS on longitudinal growth traits reveals different genetic factors influencing infant, child, and adult BMI. *Science Advances*, **2019**, 5, eaaw3095	14.3	39
50	Lack of support for the association between GAD2 polymorphisms and severe human obesity. *PLoS Biology*, **2005**, 3, e315	9.7	38
49	Ghrelin Gene: Identification of Missense Variants and a Frameshift Mutation in Extremely Obese Children and Adolescents and Healthy Normal Weight Students		38
48	CNV-association meta-analysis in 191,161 European adults reveals new loci associated with anthropometric traits. *Nature Communications*, **2017**, 8, 744	17.4	37
47	Increased body mass index (BMI) in male narcoleptic patients, but not in HLA-DR2-positive healthy male volunteers. *Sleep Medicine*, **2002**, 3, 335-9	4.6	36
46	Common variants near MBNL1 and NKX2-5 are associated with infantile hypertrophic pyloric stenosis. *Nature Genetics*, **2012**, 44, 334-7	36.3	33
45	Genome-wide association study identifies 48 common genetic variants associated with handedness. *Nature Human Behaviour*, **2021**, 5, 59-70	12.8	33
44	Genetic predisposition to hypertension is associated with preeclampsia in European and Central Asian women. *Nature Communications*, **2020**, 11, 5976	17.4	30
43	The 103I variant of the melanocortin 4 receptor is associated with low serum triglyceride levels. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 535-8	5.6	28
42	GSTP1 A1578G (Ile105Val) polymorphism in benzidine-exposed workers: an association with cytological grading of exfoliated urothelial cells. *Pharmacogenetics and Genomics*, **2003**, 13, 409-15		27
41	Acute and persistent symptoms in non-hospitalized PCR-confirmed COVID-19 patients. *Scientific Reports*, **2021**, 11, 13153	4.9	27
40	Common variants upstream of KDR encoding VEGFR2 and in TTC39B associate with endometriosis. *Nature Communications*, **2016**, 7, 12350	17.4	26
39	Genome scan for body mass index and height in the Framingham Heart Study. *BMC Genetics*, **2003**, 4 Suppl 1, S91	2.6	26
38	Brain-derived neurotrophic factor V66M polymorphism in childhood-onset obsessive-compulsive disorder. *International Journal of Neuropsychopharmacology*, **2005**, 8, 133-6	5.8	25
37	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. *PLoS Genetics*, **2020**, 16, e1008718	6	25
36	X-chromosomal maternal and fetal SNPs and the risk of spontaneous preterm delivery in a Danish/Norwegian genome-wide association study. *PLoS ONE*, **2013**, 8, e61781	3.7	24
35	Variants in the fetal genome near pro-inflammatory cytokine genes on 2q13 associate with gestational duration. *Nature Communications*, **2019**, 10, 3927	17.4	21
34	Plasma lipids, genetic variants near APOA1, and the risk of infantile hypertrophic pyloric stenosis. *JAMA - Journal of the American Medical Association*, **2013**, 310, 714-21	27.4	21

33	Addictions and their familiality in Iceland. *Annals of the New York Academy of Sciences*, **2010**, 1187, 208-17	6.5	21
32	Elevated bladder cancer risk due to colorants--a statewide case-control study in North Rhine-Westphalia, Germany. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 851-5	3.2	21
31	Consortium-based genome-wide meta-analysis for childhood dental caries traits. *Human Molecular Genetics*, **2018**, 27, 3113-3127	5.6	20
30	No observed association for mitochondrial SNPs with preterm delivery and related outcomes. *Pediatric Research*, **2012**, 72, 539-44	3.2	20
29	Evaluation of BMP4 and its specific inhibitor NOG as candidates in human neural tube defects (NTDs). *European Journal of Human Genetics*, **2002**, 10, 753-6	5.3	20
28	Human galanin (GAL) and galanin 1 receptor (GALR1) variations are not involved in fat intake and early onset obesity. *Journal of Nutrition*, **2005**, 135, 1387-92	4.1	20
27	Missense Mutation Associated With Fatty Acid Metabolism and Reduced Height in Greenlanders. *Circulation: Cardiovascular Genetics*, **2017**, 10,		19
26	Genome-wide association study identifies four loci associated with eruption of permanent teeth. *PLoS Genetics*, **2011**, 7, e1002275	6	18
25	Detection rates for genotyping errors in SNPs using the trio design. *Human Heredity*, **2002**, 54, 111-7	1.1	18
24	Genome-wide Study Identifies Association between HLA-B55:01 and Self-Reported Penicillin Allergy. *American Journal of Human Genetics*, **2020**, 107, 612-621	11	17
23	Glutathione transferase activities in renal carcinomas and adjacent normal renal tissues: factors influencing renal carcinogenesis induced by xenobiotics. *Archives of Toxicology*, **2001**, 74, 688-94	5.8	15
22	Shared genetic etiology between idiopathic pulmonary fibrosis and COVID-19 severity. *EBioMedicine*, **2021**, 65, 103277	8.8	15
21	Genome-wide association study identifies variants in associated with tonsillectomy. *Journal of Medical Genetics*, **2017**, 54, 358-364	5.8	12
20	N-acetyltransferase 1 in colon and rectal cancer cases from an industrialized area. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 902-5	3.2	12
19	Genome-wide association study of Hirschsprung disease detects a novel low-frequency variant at the RET locus. *European Journal of Human Genetics*, **2018**, 26, 561-569	5.3	11
18	Genome-wide meta-analysis identifies BARX1 and EML4-MTA3 as new loci associated with infantile hypertrophic pyloric stenosis. *Human Molecular Genetics*, **2019**, 28, 332-340	5.6	10
17	No evidence for involvement of the calpain-10 gene Shigh-riskShaplotype combination for non-insulin-dependent diabetes mellitus in early onset obesity. *Molecular Genetics and Metabolism*, **2002**, 76, 152-6	3.7	8
16	Bladder cancer and occupational exposures in North Rhine-Westphalia, Germany. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 856-8	3.2	7

15	Determination of NAT2 acetylation status in the Greenlandic population. *Archives of Toxicology*, **2016**, 90, 883-9	5.8	6
14	Glucose Transporter 4 Gene. *Annals of the New York Academy of Sciences*, **2006**, 967, 554-557	6.5	5
13	On the total expected study cost in two-stage genome-wide search designs for linkage analysis using the mean test for affected sib pairs. *Genetic Epidemiology*, **2001**, 20, 397-400	2.6	4
12	Serotonergic effects of clozapine and its metabolites in hippocampal HT22 cells. *Psychiatry Research*, **2002**, 112, 221-9	9.9	4
11	Genome-wide association study of febrile seizures implicates fever response and neuronal excitability genes.. *Brain*, **2022**,	11.2	4
10	Study of correlation between the NAT2 phenotype and genotype status among Greenlandic Inuit. *EXCLI Journal*, **2018**, 17, 1043-1053	2.4	3
9	Integrating genetics with newborn metabolomics in infantile hypertrophic pyloric stenosis. *Metabolomics*, **2021**, 17, 7	4.7	3
8	Co-occurrence of infantile hypertrophic pyloric stenosis and congenital heart defects: a nationwide cohort study. *Pediatric Research*, **2019**, 85, 955-960	3.2	2
7	The use of sequential designs in genome scans for asthma susceptibility loci with affected sib pairs. *Genetic Epidemiology*, **2001**, 21 Suppl 1, S49-54	2.6	2
6	A bivariate Haseman-Elston method and application to the analysis of asthma-related phenotypes on chromosome 5q. *Genetic Epidemiology*, **2001**, 21 Suppl 1, S216-21	2.6	2
5	Genome-wide study identifies association between HLA-B*55:01 and penicillin allergy		2
4	Genome-wide association study of febrile seizures identifies seven new loci implicating fever response and neuronal excitability genes		2
3	Meeting report on the NIDDK/AUA Workshop on Congenital Anomalies of External Genitalia: challenges and opportunities for translational research. *Journal of Pediatric Urology*, **2020**, 16, 791-804	1.5	1
2	N-Acetyltransferase 2 and glutathione s-transferase M1 in colon and rectal cancer cases from an industrialized area. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 572-81	2.2	0
1	Genetic regulation of spermine oxidase activity and cancer risk: a Mendelian randomization study. *Scientific Reports*, **2021**, 11, 17463	4.9	0